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FIG. 1

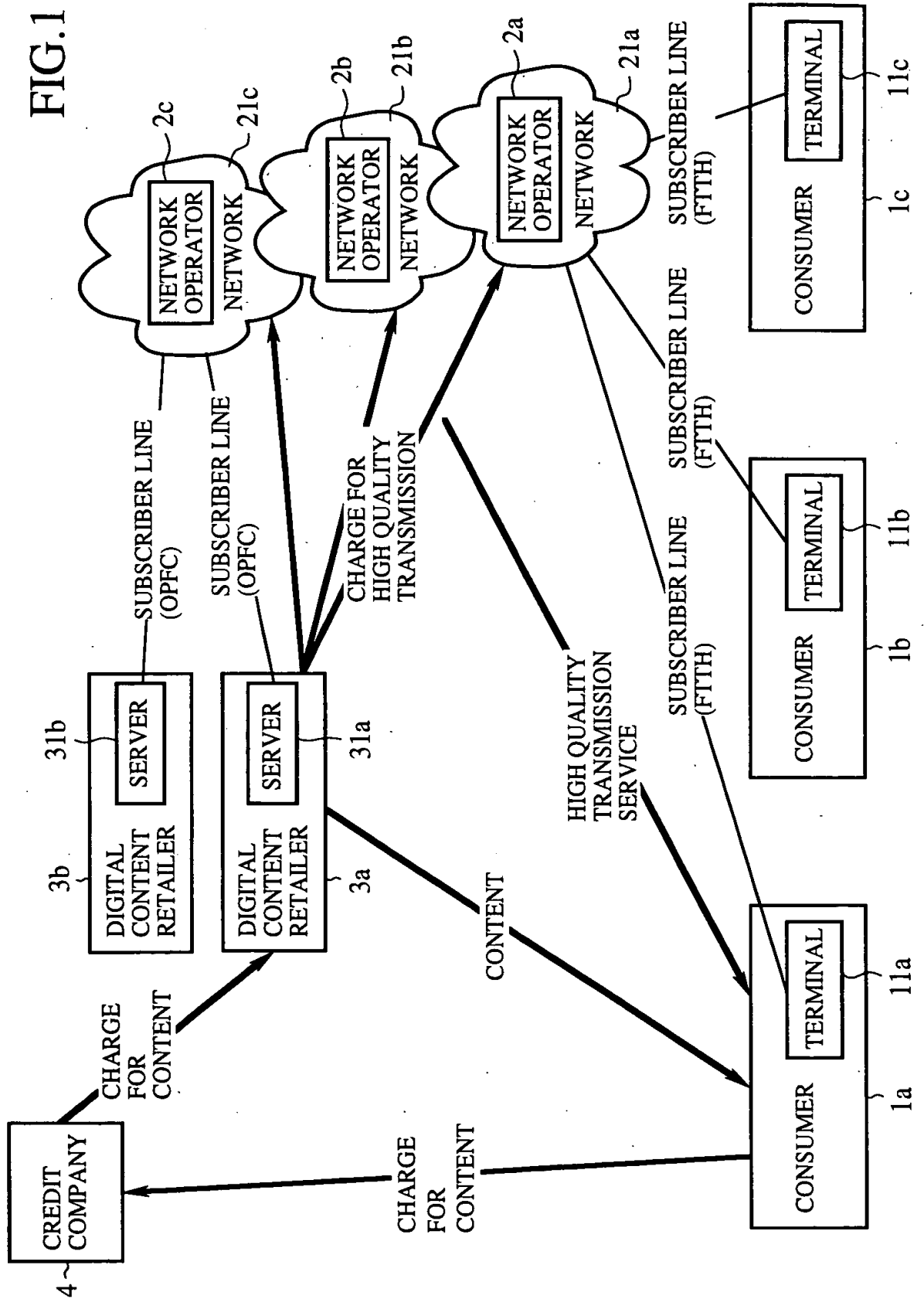
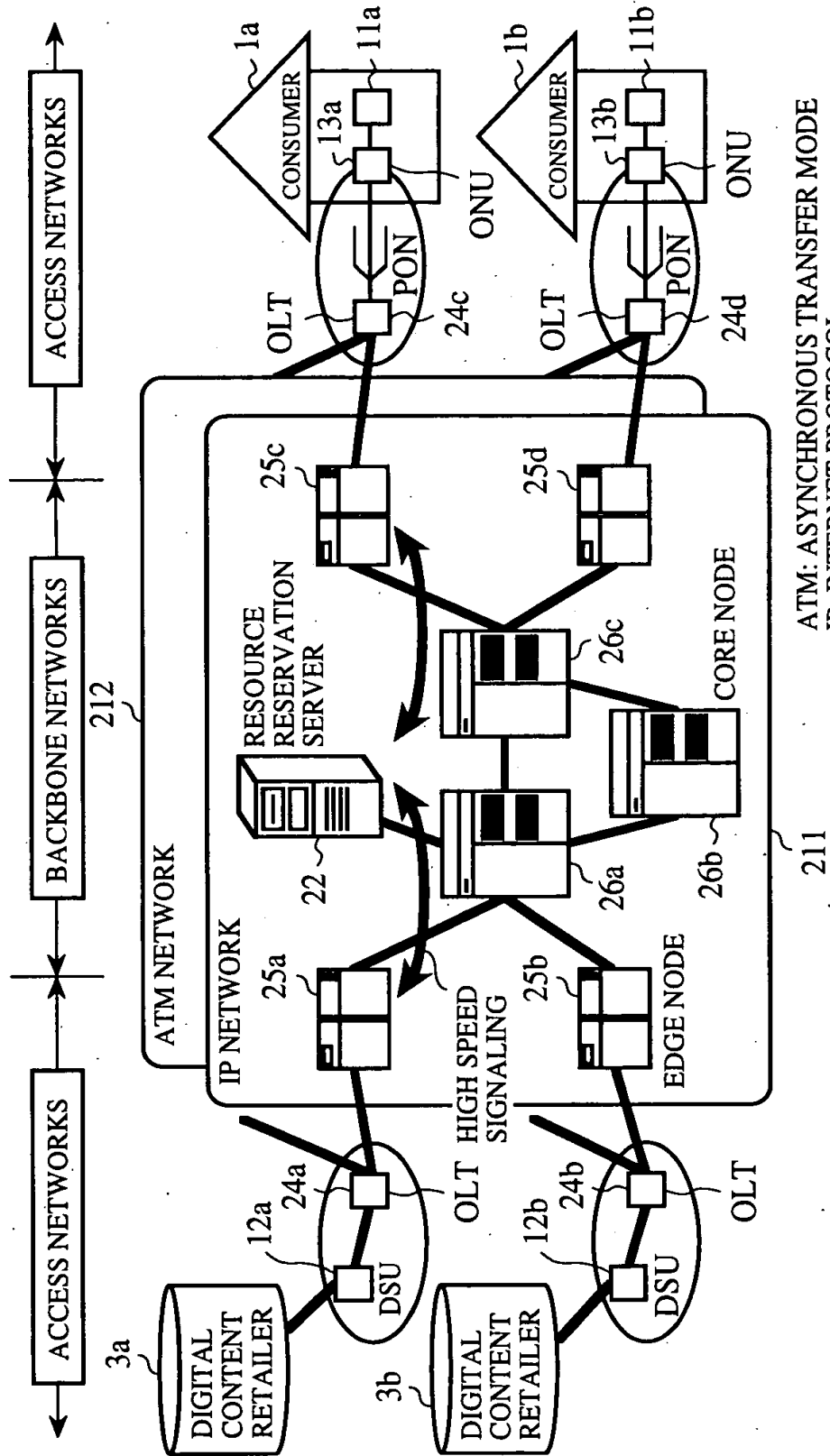


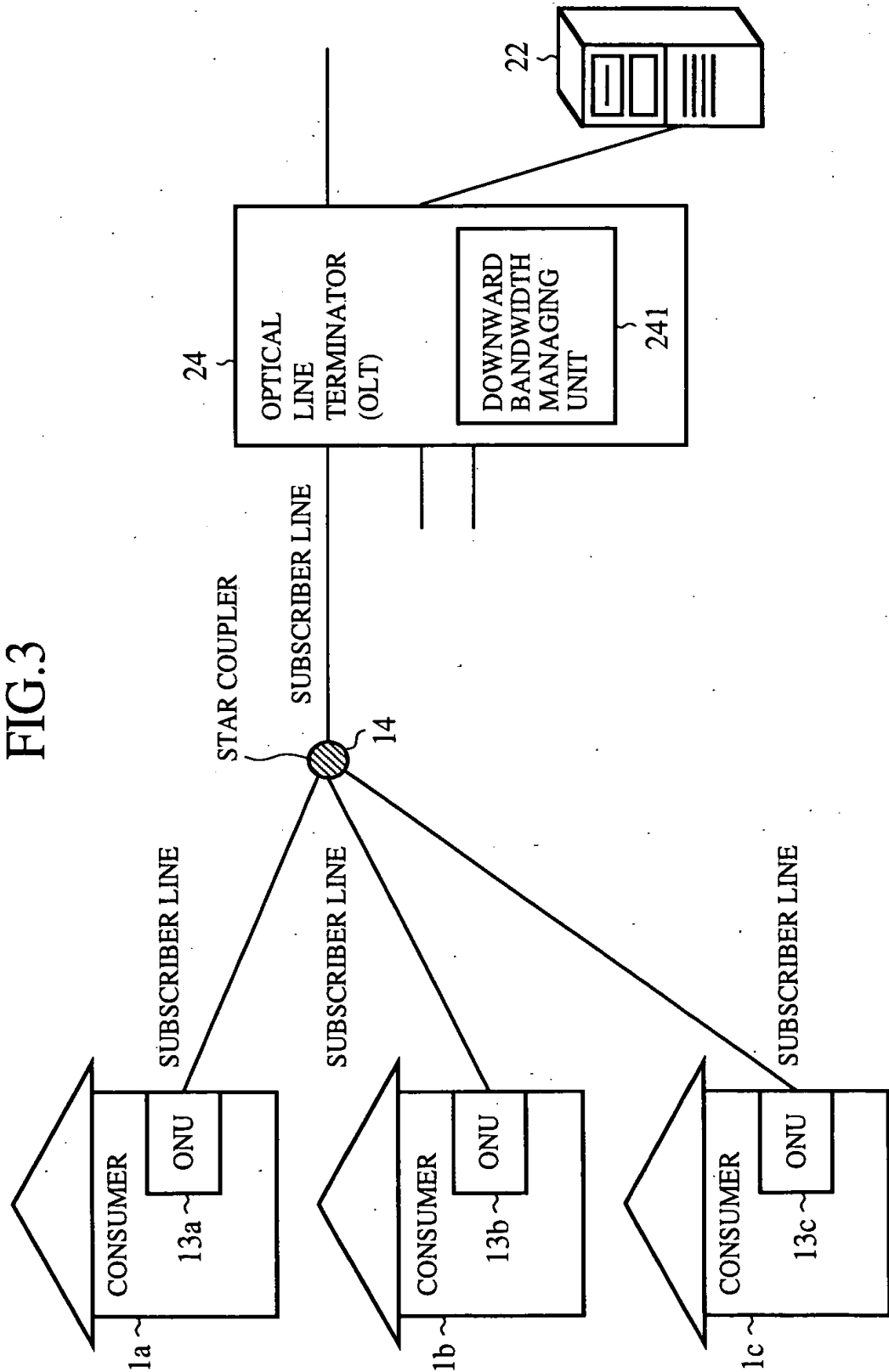
FIG.2



ATM: ASYNCHRONOUS TRANSFER MODE  
IP: INTERNET PROTOCOL  
PON: PASSIVE OPTICAL NETWORK  
ONU: OPTICAL NETWORK UNIT  
OLT: OPTICAL LINE TERMINATOR

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FIG.3



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FIG.4

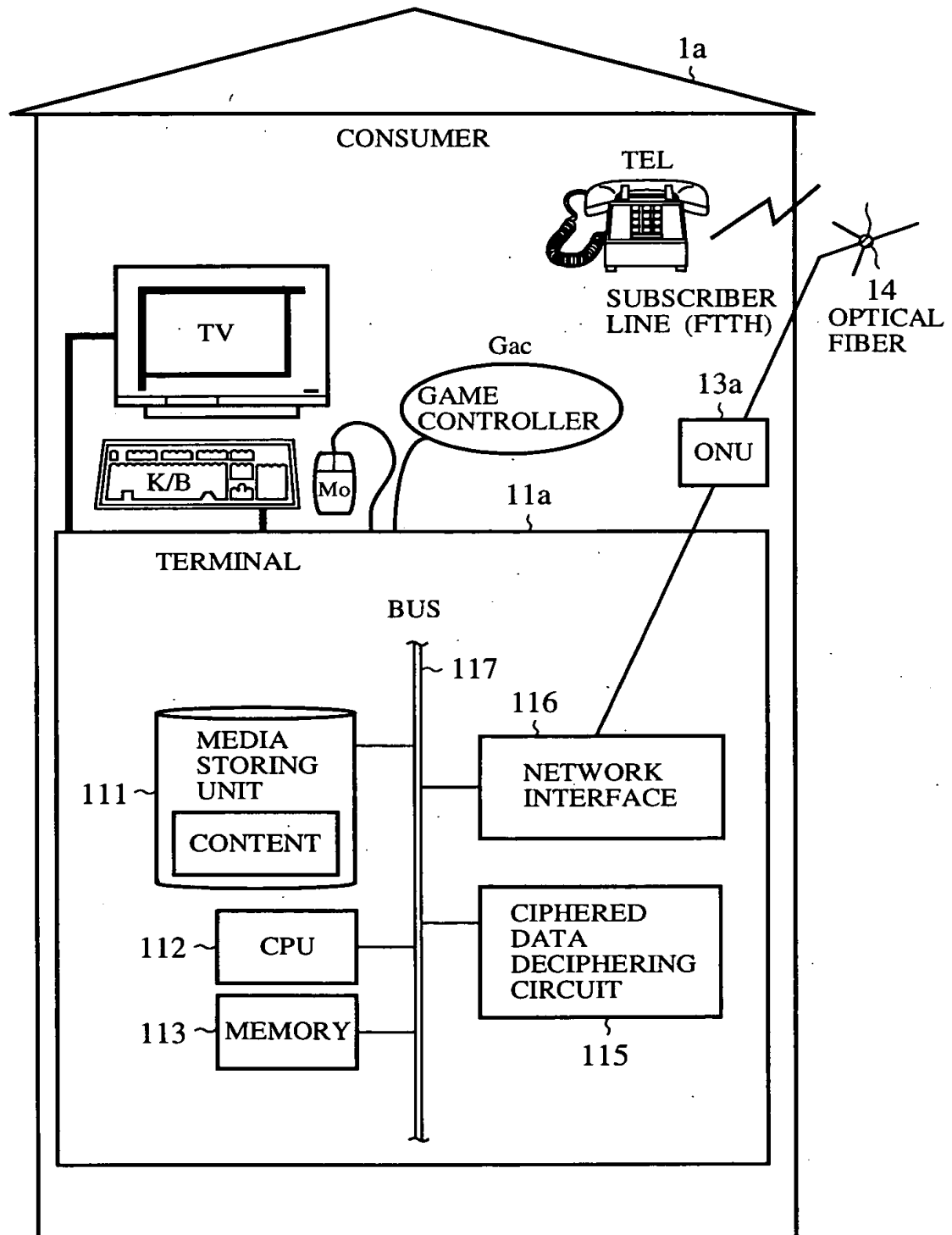
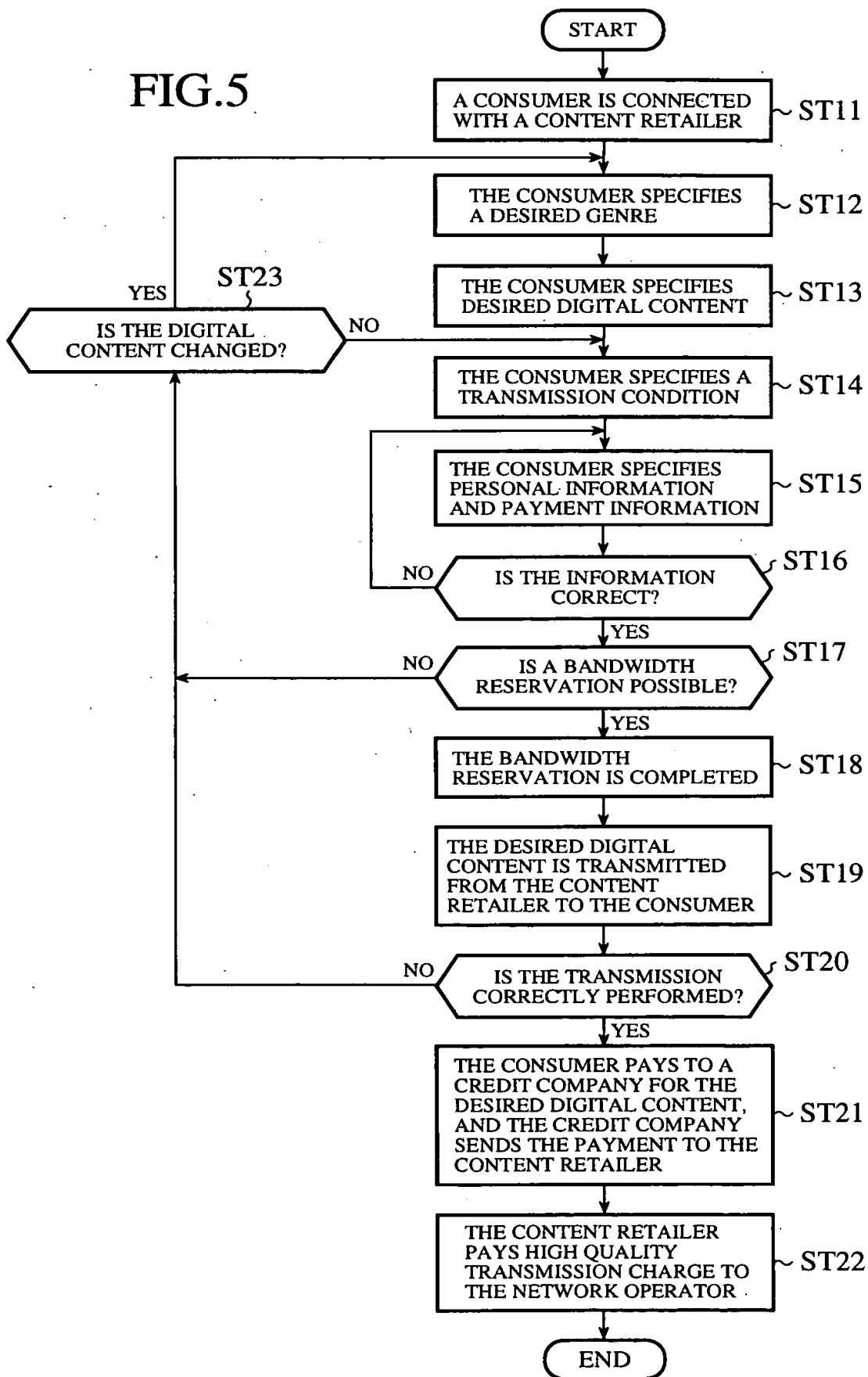
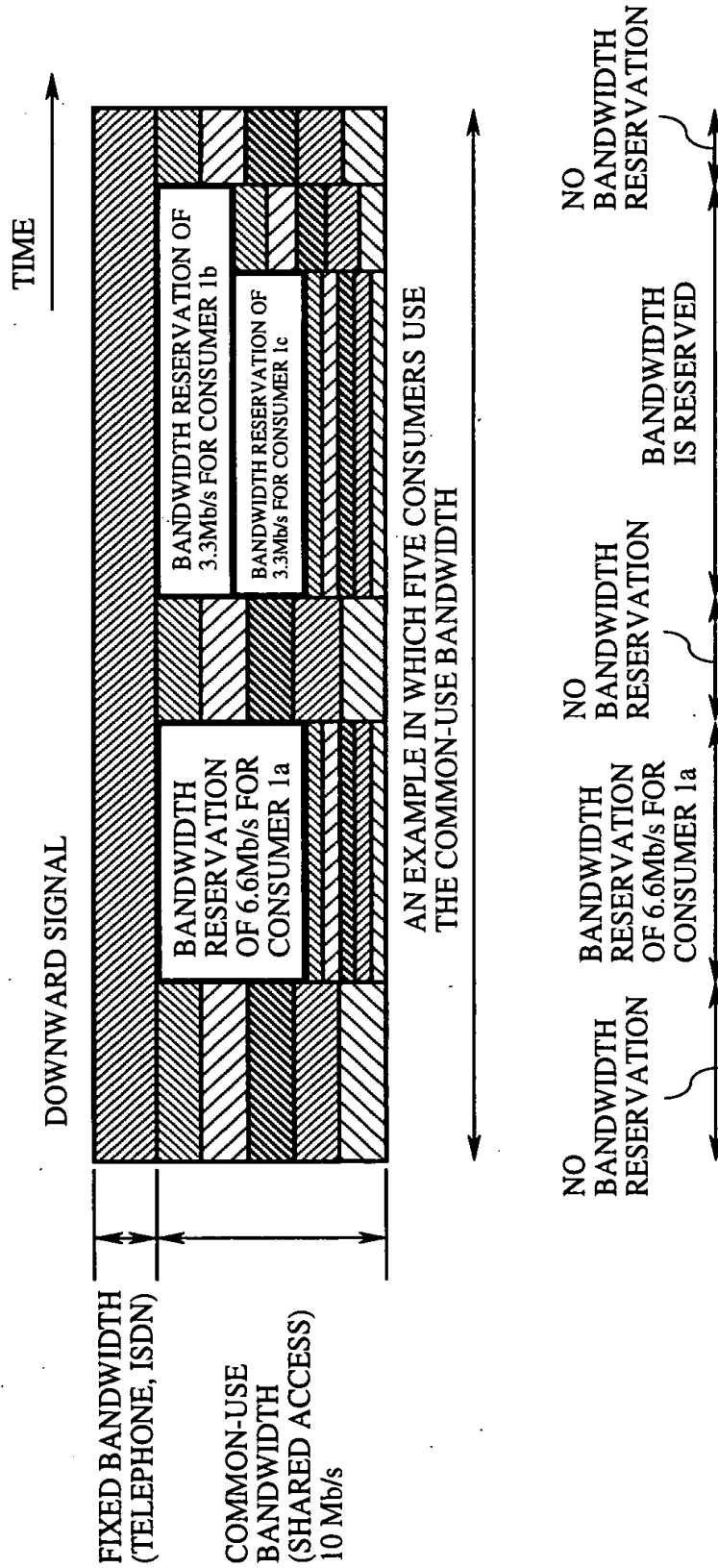


FIG.5



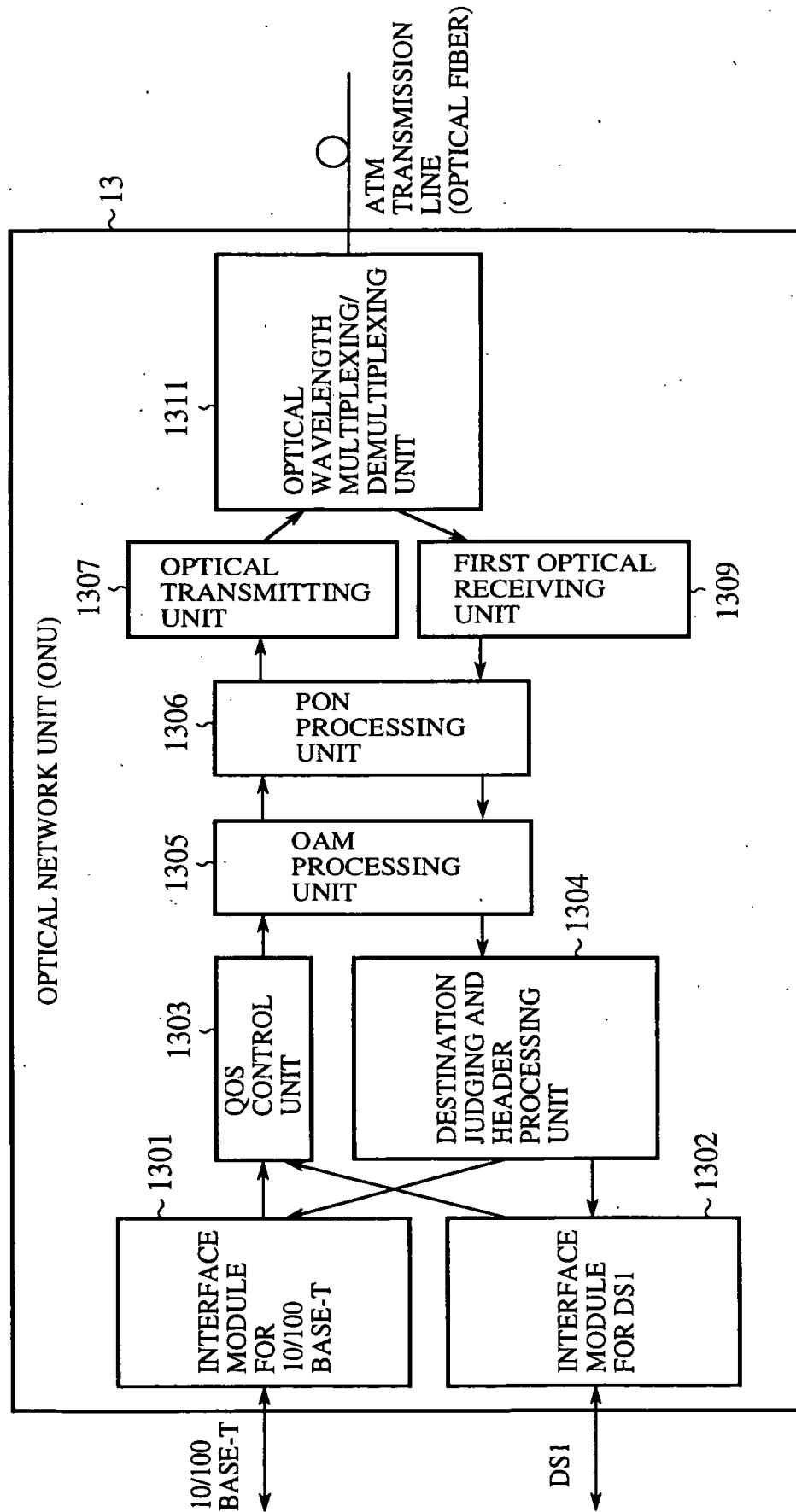
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FIG.6



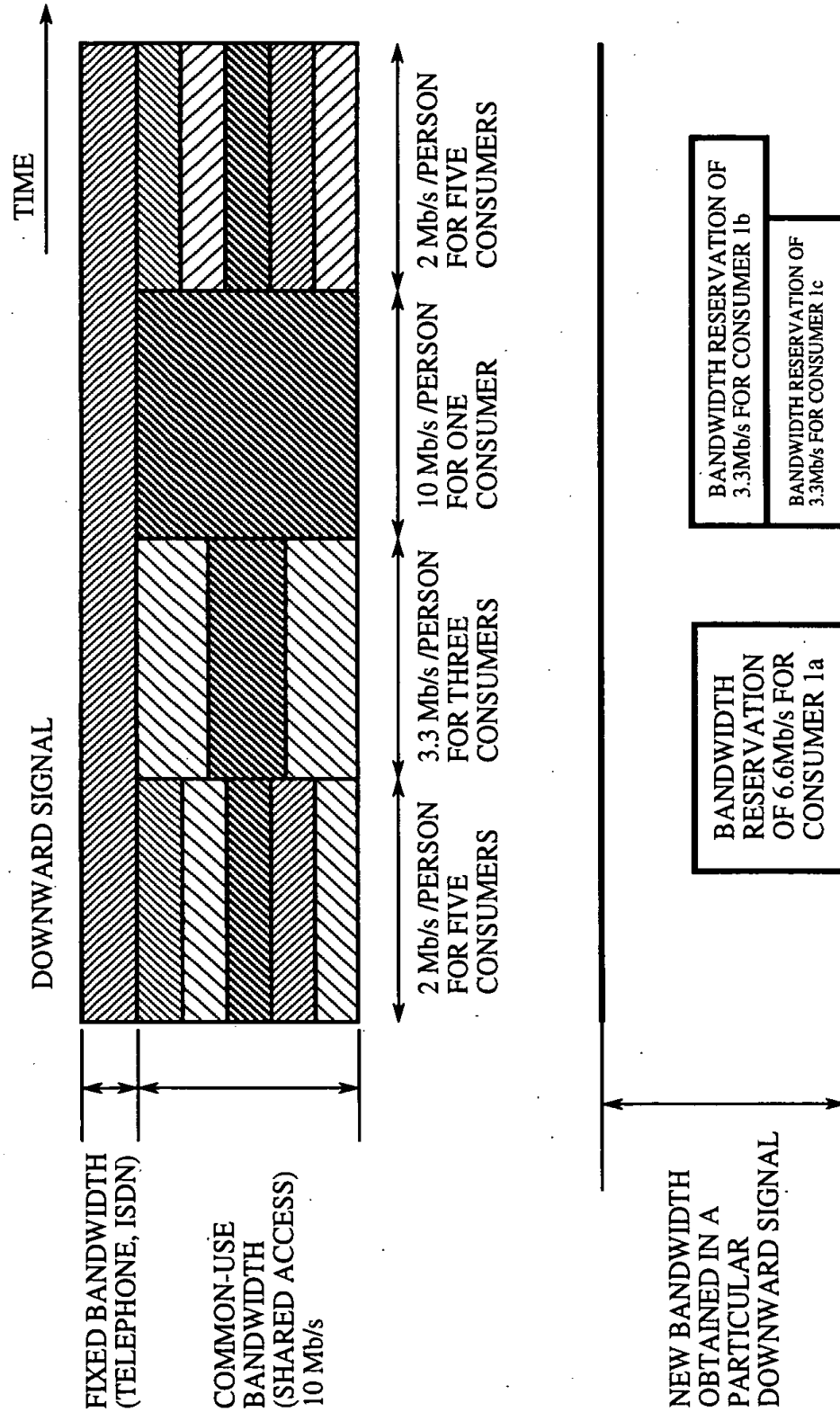
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FIG.7



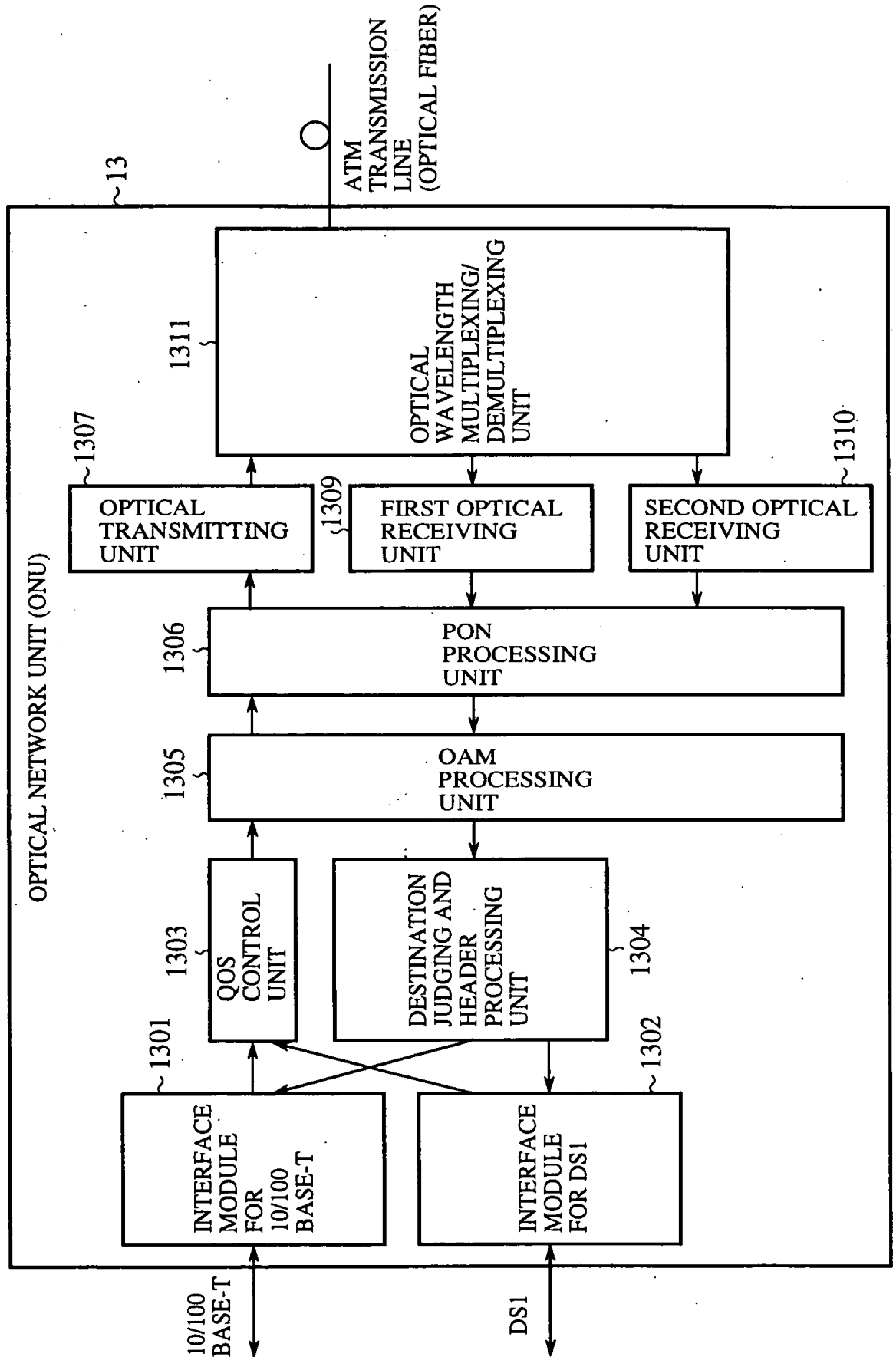
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FIG.8



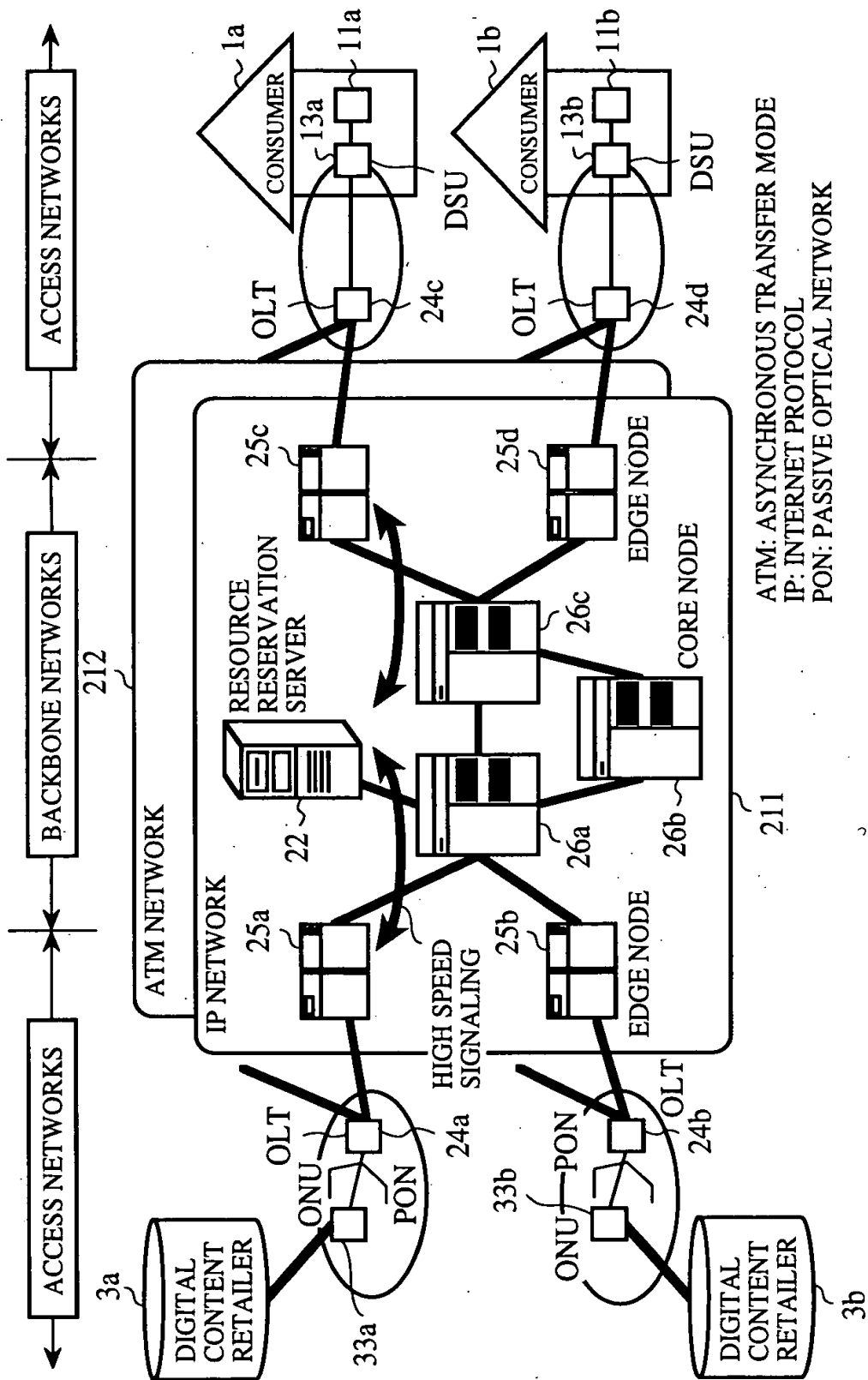
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FIG. 9



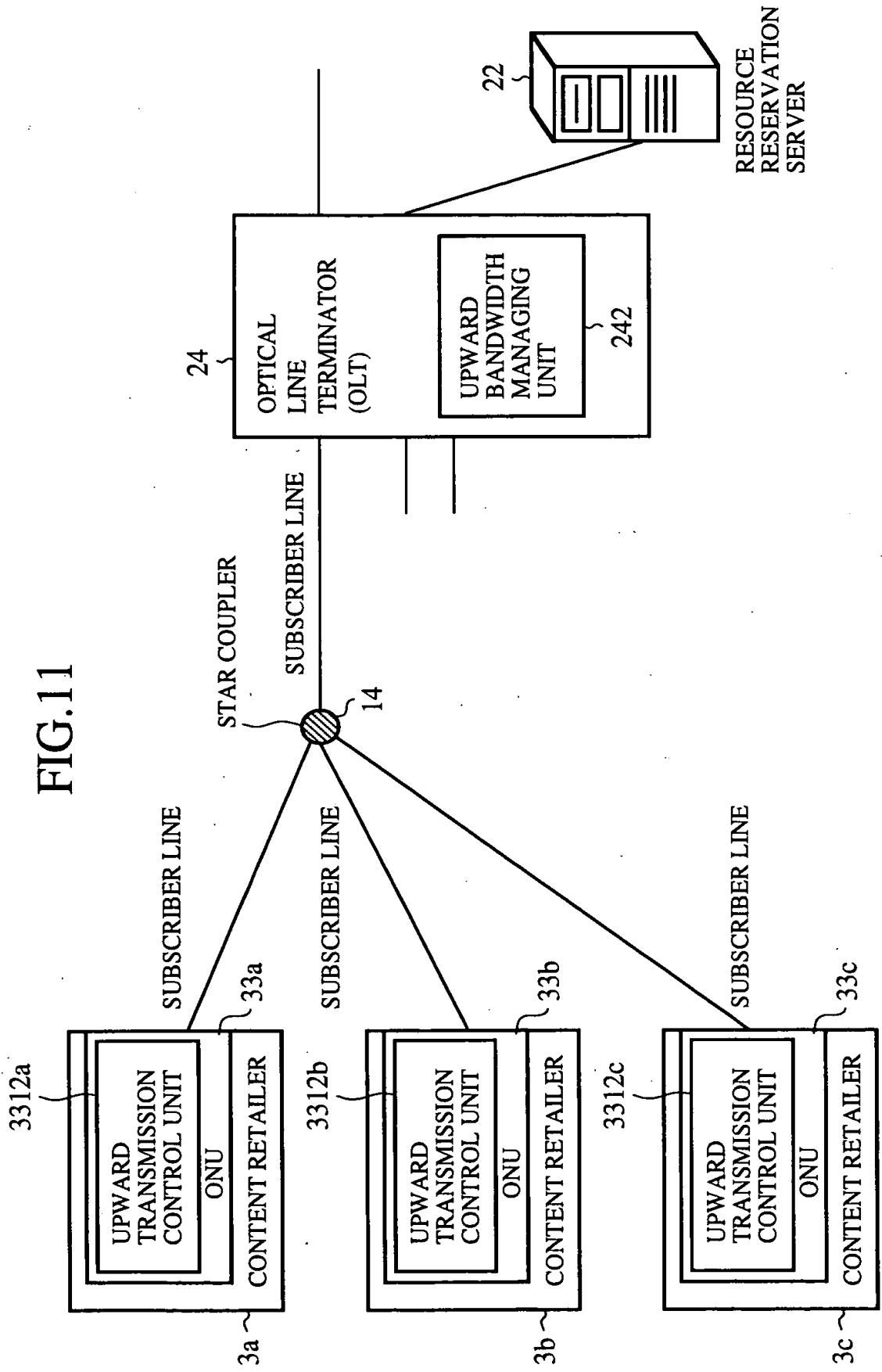
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FIG. 10



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FIG.11



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FIG.12

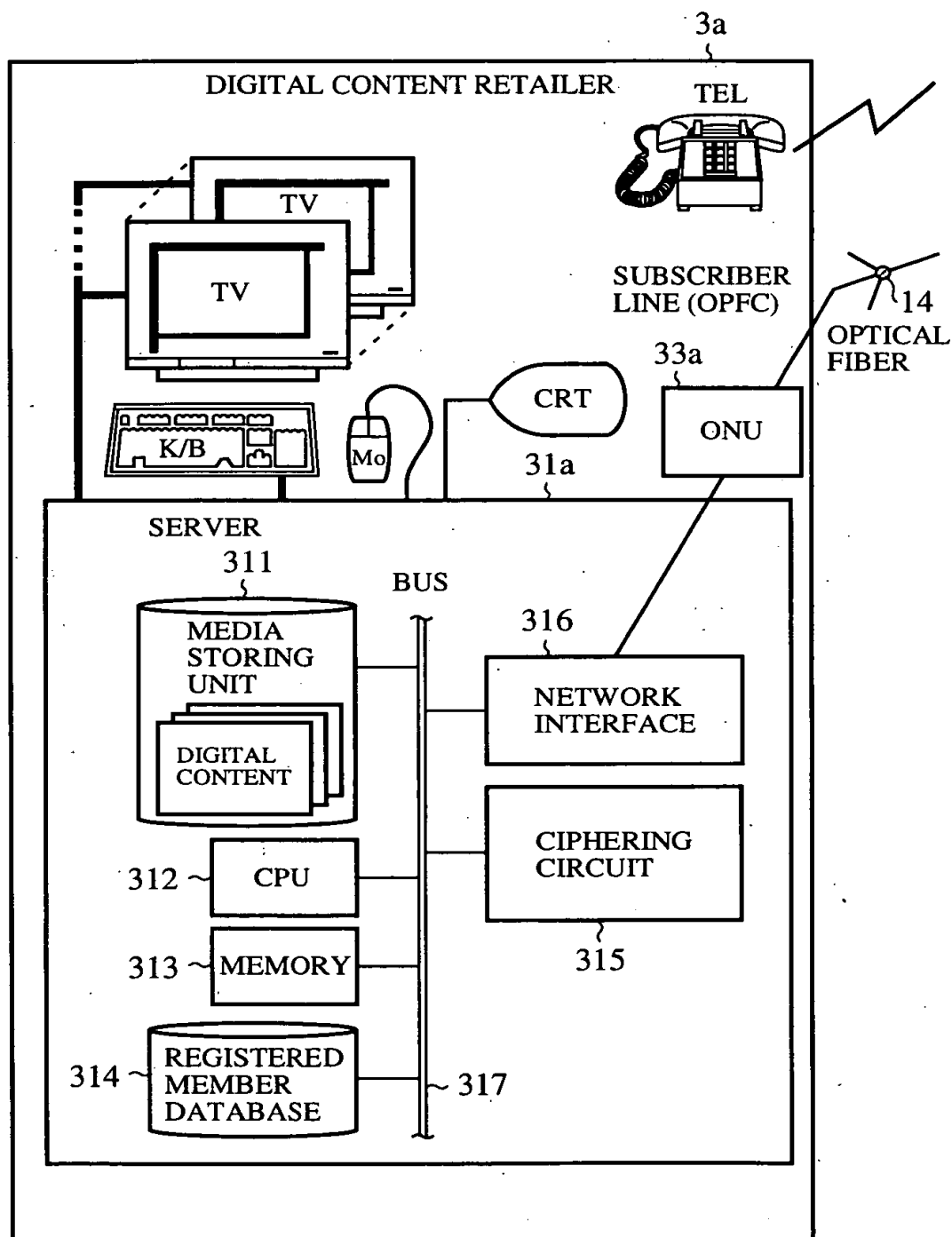


FIG.13

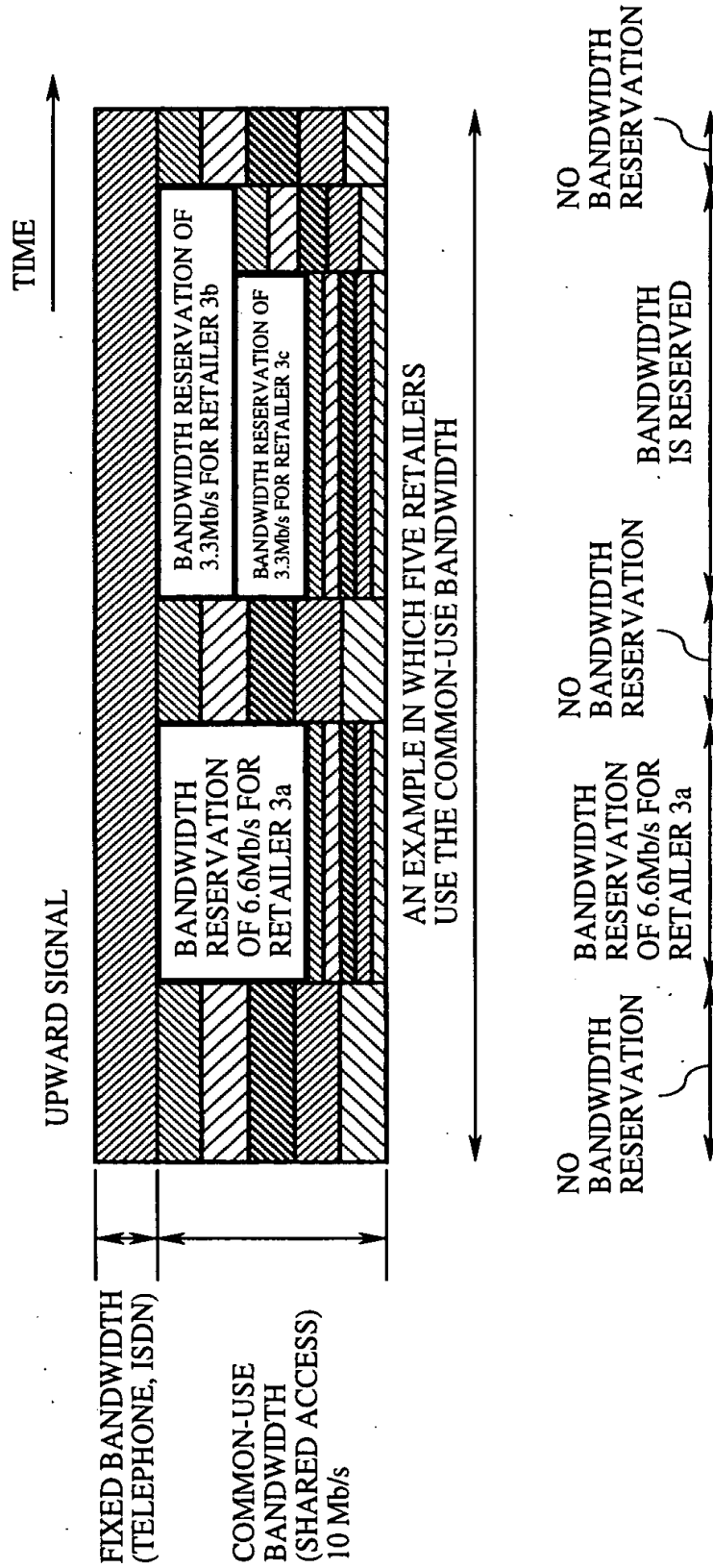


FIG.14

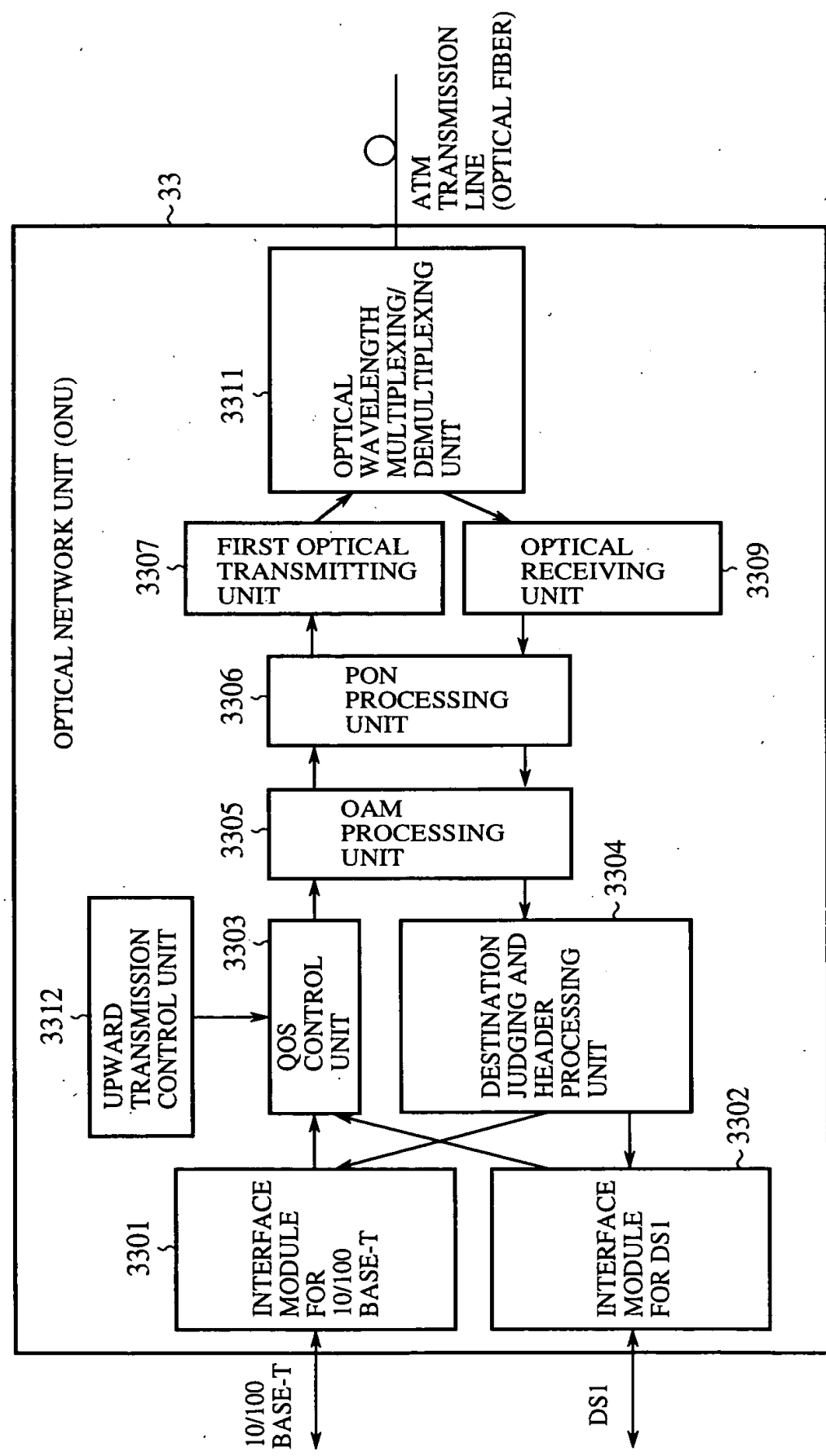
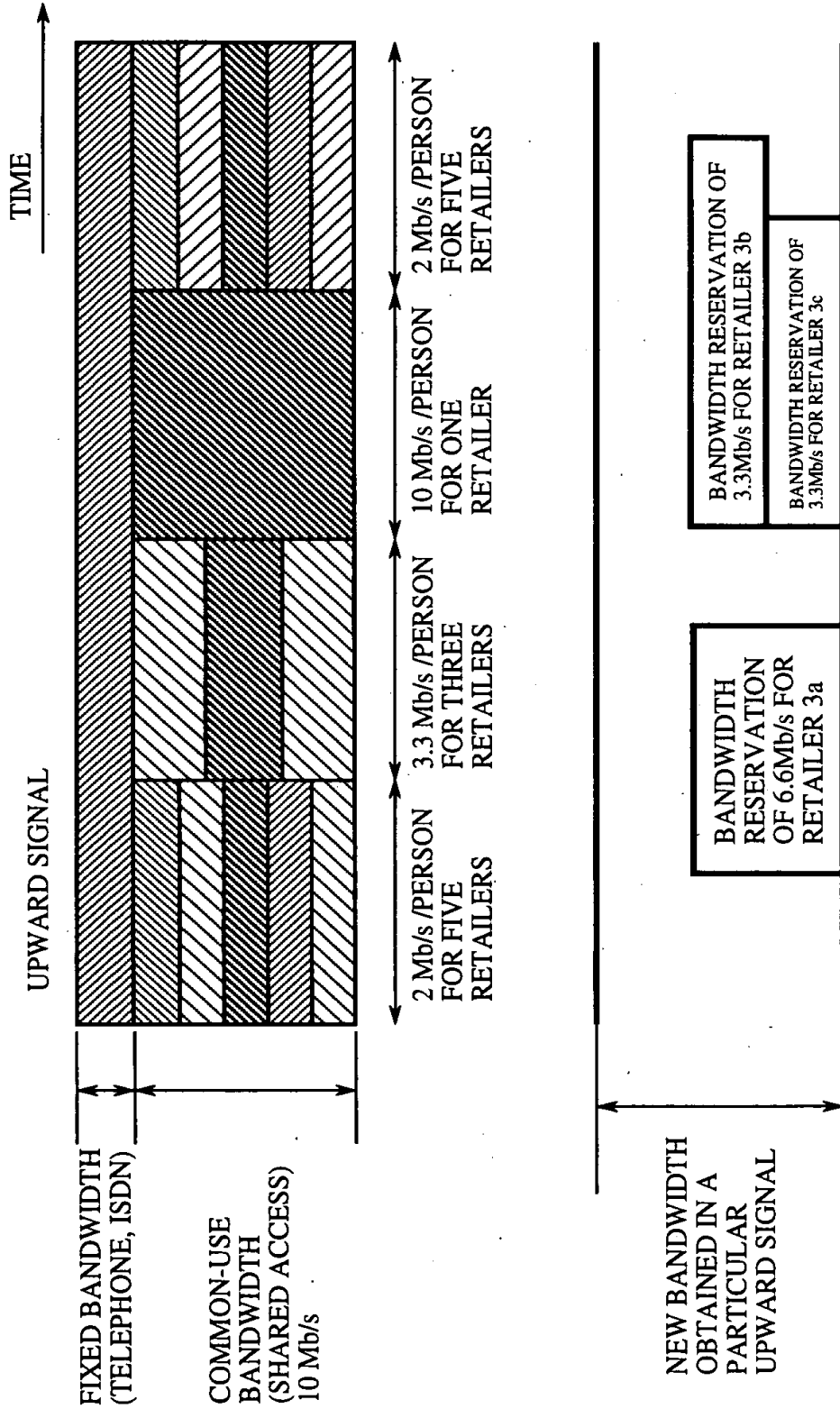
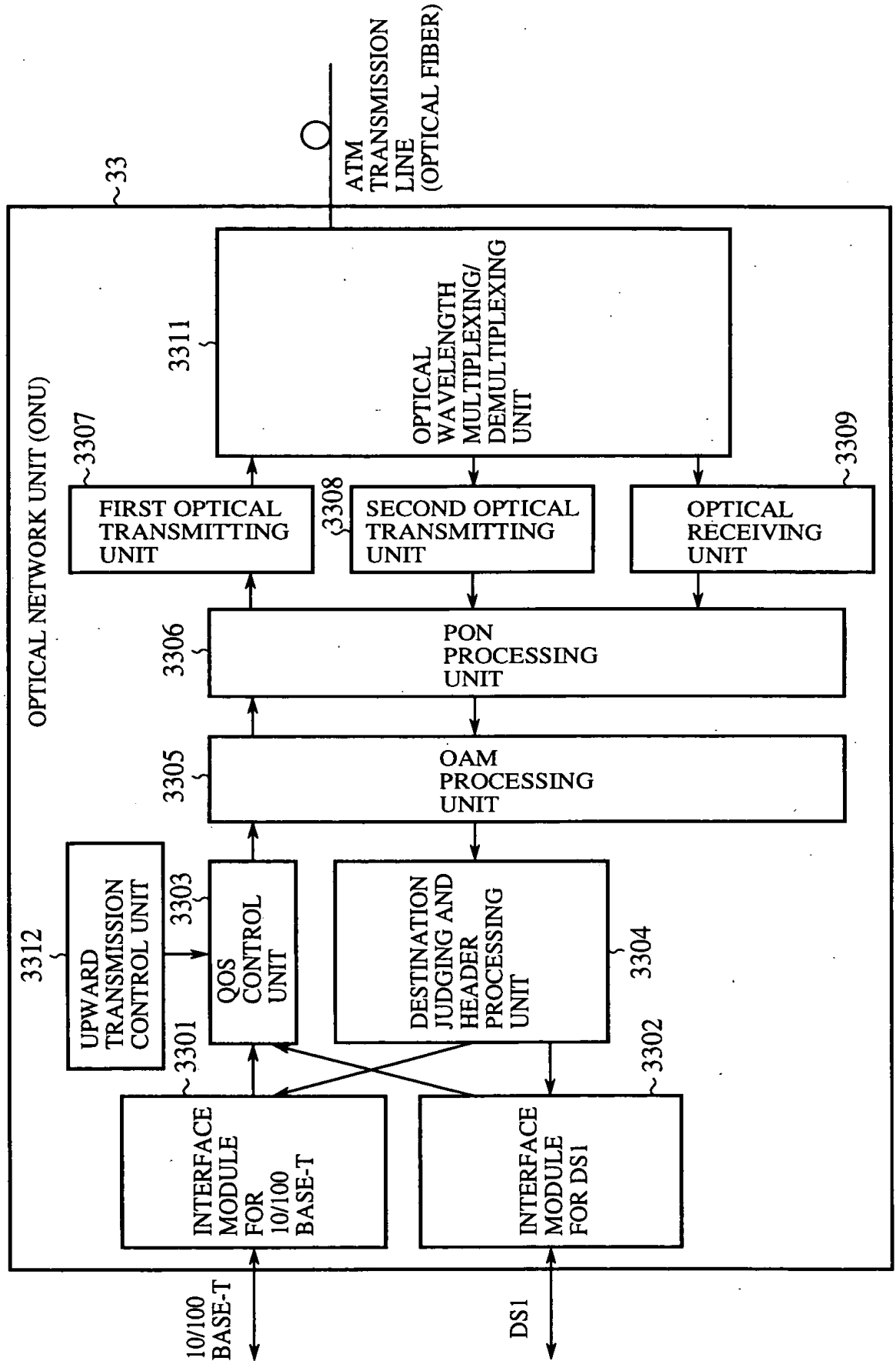


FIG.15



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FIG.16



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FIG.17

	USED TIME ZONE		
	7:00 AM   7:00 PM	7:00 PM   9:00 PM	9:00 PM   7:00 AM
1 Mb/s	¥1.00/min	¥0.60/min	¥0.50/min
2 Mb/s	¥1.41/min	¥0.85/min	¥0.71/min
5 Mb/s	¥2.23/min	¥1.34/min	¥1.16/min
10 Mb/s	¥3.16/min	¥1.90/min	¥1.58/min
20 Mb/s	¥4.47/min	¥2.68/min	¥2.24/min
50 Mb/s	¥7.07/min	¥4.24/min	¥3.54/min
100 Mb/s	¥1.000/min	¥6.00/min	¥5.00/min

USED BANDWIDTH

FIG.19  
 (PRIOR ART)

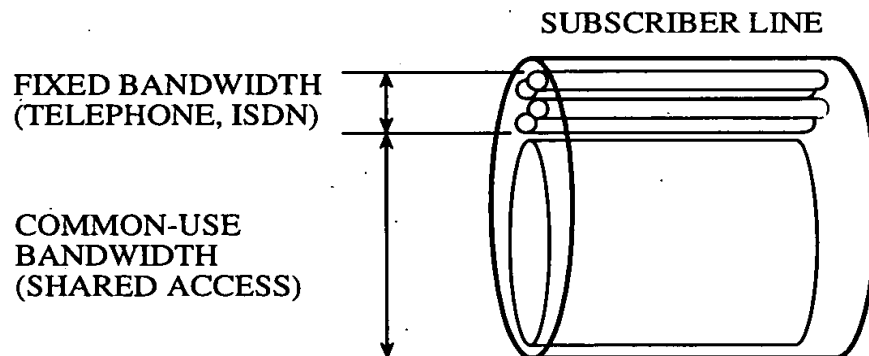


FIG. 18 (PRIOR ART)

